Notebook Series -- Notebooks by Experimenters Other Than Edison
Phonograph Record Experiments
C. T. Dally Disc Blanks Composition Book 5
Notebook, N-19-06-03

This notebook was used by Charles T. Dally and one unidentified assistant, primarily during June-October 1919. Each experiment involves a different preparation of ingredients for the disc record blanks. Varnish preparations and baking schedules also vary. The blanks were prepared in 1919 and then inspected in 1920, 1921, and 1923. There is also a series of tests on clay. Inserted into the book is a 6-page list by Edison of projects for Dally, some of which correspond to the experiments in the book. The front cover is labeled "Exp on Blanks 5." The pages are unnumbered. Approximately 130 pages have been used.

Only the list by Edison has been selected.

[ITEM(S) FOUND IN BOOK]

Daily May 14/19

Determine & record accurately the following

1st Blow & form the Plasm+Oil in large pots holding from 50 to 100 lbs - & take samples out at times when you think best so as to find out from these samples the best & shortest time of blowing, the best temperature, the so when we ~~get~~ mix we will know just how to get the best results,

Before you start on

[ITEM(S) FOUND IN BOOK]

2

large pot you should
find out by Experiment
with present sample
pot what amount of
lead Manganese or
other stiff to beat or of
its needed at all a the
best temperature -
Then you can go to the
big pot more intelligently

2nd find out the minimum
time of grinding which
with best stirring well
produce 100% production
of best surface

[ITEM(S) FOUND IN BOOK]

3

2nd Continued –

Determine by making Records the minimum amount of Lampblack that will do the business also if the Lampblack hurts the flowing or hurts the surface –

3rd As an Experiment make some records 1 turned down 1/16 less diameter one 3/32 –
1 1/8 One 3/32 one 3/16
1 1/4" 1 3/8 + 1 1/2

[ITEM(S) FOUND IN BOOK]

4

3rd

This will show us just what Wooten was Now
The resulting records
should be recorded in
book marked for defects
apart away for time
tests to see if great
overshadowing of Sincerely
will produce cracks

4th 3 Regular Records
I have afforming should
be put in the chest
+ dated, see no water
Can get on them

[ITEM(S) FOUND IN BOOK]

5

5th Minimum time to get good mixing in Mixer should be ascertained. also best temperature to have the Rosin Oil mix when poured in. also of heating the Chalk to same temperature or higher than the mixer before its put in. will shorten the mixer time also of concentrating hot air through mixer will lengthen time the air being heated to same or higher than mixer was thoroughly as far as possible + second temperature

[ITEM(S) FOUND IN BOOK]

6

6th = present a few records
turned down 1/4 as now
in final OTL/Mould where
Tops don't touch blank
to see if it is OK & no Gage
are found —

7 = also best type & method of
decreasing d to get frequently
amount of % of defective
Ele & all defec —

8 Best device for automatic
loading of moulds

2